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(54) **SAFETY RAZOR**

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(52) **U.S. Cl.** **30/45; 30/50**

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See application file for complete search history.

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(57) **ABSTRACT**

A safety razor has a blade unit having at least one blade with a sharp cutting edge. A dielectric handle is configured to carry the blade unit and a conductive ground member is disposed within the handle. The safety razor has an electrically operated device. An electrical arrangement having a sensor electrically coupled to the blade unit and the ground member senses skin contact with the blade unit and actuates the device based on the sensing.

15 Claims, 13 Drawing Sheets

